

CLAIMS

1. A poly(arylene ether) composition comprising a first poly(arylene ether) resin having an intrinsic viscosity greater than or equal to about 0.3 dl/g, as measured in chloroform at 25°C and a second viscosity poly(arylene ether) resin having an intrinsic viscosity less than or equal to about 0.17 dl/g, as measured in chloroform at 25°C wherein the composition is essentially free of plasticizers.
2. The composition of Claim 1, wherein the second poly(arylene ether) resin has an intrinsic viscosity less than or equal to about 0.15 dl/g as measured in chloroform at 25°C.
3. The composition of Claim 1, wherein the second poly (arylene ether) resin has an intrinsic viscosity less than or equal to bout 0.13 dl/g as measured in chloroform at 25°C.
4. The composition of Claim 1; wherein the ratio of the first poly(arylene ether) resin to the second poly(arylene ether) resin is greater than 1:1.
5. The composition of Claim 1, wherein the ratio of the first poly(arylene ether) resin to the second poly(arylene ether) resin is 1.5:1 to 20:1.
6. The composition of Claim 1, wherein the composition has a melt viscosity less than or equal to about 190 at 1500 seconds⁻¹ and a temperature of 320 °C.
7. The composition of Claim 1, wherein the composition further comprises a reinforcing agent.
8. The composition of Claim 7, wherein the reinforcing agent comprises glass fiber.
9. The composition of Claim 7, wherein the reinforcing agent comprises carbon fiber.

10. The composition of Claim 7, wherein the reinforcing agent comprises non-fibrous inorganic filler.

11. The composition of Claim 7, wherein the composition has a melt viscosity less than or equal to about 270 at 1500 seconds⁻¹ and a temperature of 320 °C.

12. The composition of Claim 1, wherein the composition has a heat deflection temperature greater than or equal to about 130°C as determined by ASTM D648.

13. The composition of Claim 1, wherein the composition has a dissipation factor of less than or equal to about 0.02 as measured according to ASTM D150 at 25°C and 1 kilohertz, 10 kilohertz, 100 kilohertz or 1 megahertz.

14. The composition of Claim 1 further comprising an impact modifier.

15. An article comprising the composition of Claim 1.

16. A polyarylene ether composition consisting essentially of a first poly(arylene ether) resin having an intrinsic viscosity greater than or equal to about 0.3 dl/g, as measured in chloroform at 25°C and a second viscosity poly(arylene ether) resin having an intrinsic viscosity less than or equal to about 0.17 dl/g, as measured in chloroform at 25°C.

17. An article comprising the composition of Claim 16.

18. A polyarylene ether composition consisting essentially of a first poly(arylene ether) resin having an intrinsic viscosity greater than or equal to about 0.3 dl/g, as measured in chloroform at 25°C; a second viscosity poly(arylene ether) resin having an intrinsic viscosity less than or equal to about 0.17 dl/g, as measured in chloroform at 25°C; and a reinforcing agent.

19. An article comprising the composition of Claim 18.

20. The article of Claim 19 wherein the article is part of an electronic packaging handling system.